

**JP03094158**  
**CHROMATOGRAPHY DEVICE AND FORMING DEVICE FOR COMPONENT**  
**SEPARATING MEANS**

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**Abstract:** PURPOSE: To execute a continuous separation in columns by providing a first substrate in which grooves of a mesh are formed and a second substrate which covers airtightly the grooves and fixed to become columns of a mesh, and forming a component separating means in the columns.

CONSTITUTION: In grooves 11 in the direction as indicated with an arrow X of the mesh-like grooves 11 formed in a regular square, at least two kinds of component separating members 21 are formed, and the grooves 11 in the direction as indicated with an arrow Y are in an unprocessed state. Carrier gas is led into columns from the directions as indicated with arrows  $C_1$ ,  $C_2$  through a carrier gas distributing groove, and flows out in the directions as indicated with arrows  $D_1$ ,  $D_2$ . In the case sample gas having components A, B is led into one point O of mesh-like columns, the sample gas advances at the same speed in the OY direction, but in the OX direction in which the separating members 21 are formed, a difference of a speed of flowing out is generated in accordance with the component, and it flows out from different outlets (points P, Q). Accordingly, by sensors provided in the vicinity of the tips of those outlets, the components A, B can be detected continuously, and by executing a waveform processing, concentration of the components A, B can be known by executing a waveform processing.

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